



# California Regional Water Quality Control Board

## San Francisco Bay Region



**Terry Tamminen**  
Secretary for  
Environmental  
Protection

1515 Clay Street, Suite 1400, Oakland, California 94612  
(510) 622-2300 • Fax (510) 622-2460  
<http://www.swrcb.ca.gov/rwqcb2>

**Arnold Schwarzenegger**  
Governor

DATE: September 20, 2004  
File No. 2119.1177 (ADF)

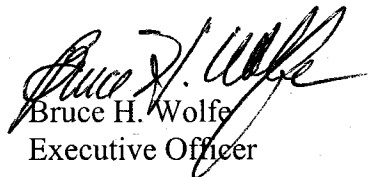
Norm Christensen  
Keller Canyon Landfill  
901 Bailey road  
Pittsburg, CA 94565

**Subject: Final Order R2-2004-0080**  
**Keller Canyon Landfill, Pittsburg, California**

Dear Mr. Christensen:

Attached is a final order, adopted by the Water Board at their September 15, 2004 meeting. If you should have any questions, please contact Alan D. Friedman of my staff at (510) 622-2347, or by Email at [adf@rb2.swrcb.ca.gov](mailto:adf@rb2.swrcb.ca.gov).

Sincerely,

  
Bruce H. Wolfe  
Executive Officer

Cc: Mailing List

orig

Mailing List  
File No. 2119.1177  
KELLER CANYON  
PITTSBURG

William Eric Fung  
Contra Costa Environmental Health  
2120 Diamond Blvd., Suite 200  
Concord, CA 94520

Beatrice Poroli  
California Integrated Waste Management Board  
P.O. Box 4025  
Sacramento, CA 95812-4025

Deidra Dingman  
Contra Costa County Community Development Department  
651 Pine St.  
4<sup>th</sup> Floor, North Wing  
Martinez, CA 94553-0095

Laura Wright  
City of Pittsburg  
P.O. Box 1518  
Pittsburg, CA 94565-0518

Joe Mello  
State Water Resources Control Board  
P.O. Box 944212  
Sacramento, CA 94244-2120

Janet Schneider  
Contra Costa County  
Solid Waste Authority  
1280 Civic Dr., Suite 314  
Walnut Creek, CA 94596

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

**ORDER R2-2004-0080**

**AMENDMENT OF WASTE DISCHARGE REQUIREMENTS**

**KELLER CANYON LANDFILL COMPANY  
CLASS II SOLID WASTE DISPOSAL SITE  
PITTSBURG, CONTRA COSTA COUNTY**

The California Regional Water Quality Control Board, San Francisco Bay Region, hereafter called the Board, finds:

1. Keller Canyon Landfill Company, hereafter called the Discharger, owns and operates a 2,628-acre site containing a Class II solid waste management unit, with a permitted waste disposal area of 244 acres. The landfill is located immediately south of the City of Pittsburg, in Contra Costa County.
2. The Discharger has requested that Waste Discharge Requirements contained in Order No. 01-040 be amended to allow for an alternative design for the liner in the proposed 3.6-acre Phase 3A2 unit. This proposed design meets the Title 27 requirements for an engineered alternative.
3. This amendment is exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15308, Title 14 of the California Code of Regulations.
4. The Board, in a public hearing, heard and considered all comments pertaining to this amendment of waste discharge requirements.

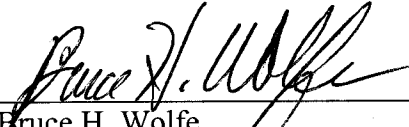
**IT IS HEREBY ORDERED THAT:**

Specification B.13. of Waste Discharge Requirements contained in Order No. 01-040 is amended to read as follows:

The minimum criteria for the landfill liner shall include, but not be limited to: a one foot thick granular underdrain, overlain by two feet of low permeability clay (with a hydraulic conductivity not more than  $1 \times 10^{-7}$  cm/sec), overlain by an 80-“mil” thick HDPE liner, overlain by a cushion geotextile, overlain by a one-foot thick dendritic LCRS designed and operated to prevent the development of hydraulic head on the liner, overlain by a filter geotextile, and lastly overlain by a one-foot thick operations layer. However, upon approval by the Executive Officer, the one-foot thick granular blanket underdrain may be deleted in those areas where such an underdrain is not necessary as an engineered alternative, pursuant to Title 27, Section 20080(b), to the prescribed 5-foot separation between wastes and groundwater required by Title 27, Section 20240(c). Also,

upon approval by the Executive Officer, a synthetic drainage layer may be substituted as an engineered alternative to the one-thick dendritic LCRS.

I, Bruce H. Wolfe, Executive Officer, do hereby certify that the foregoing is a full, complete, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on September 15, 2004.

  
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Bruce H. Wolfe  
Executive Officer

Attachment: Minimum criteria for liner construction

# MINIMUM CRITERIA FOR LINER CONSTRUCTION

